



Sally Go

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EDUCATION

University of Colorado at Boulder

May 2022

Bachelors of Computer Science -- Minor in Technology, Media, & Arts

Major GPA: 3.9/4.0

WORK EXPERIENCE

Research Lab Assistant

February 2021 - Present

CUPLV (Programming Languages And Verification at University of Colorado - Boulder)

Boulder, CO

- Assisted in the safety verification of autonomous vehicles and mobile robots using predictive runtime at CUPLV.
- Analyzed and monitor the LiDAR sensor data using **Python** with **Open3d** and **NumPy**.
- Applied Dijkstra's shortest path in the directed graph with more than a thousand nodes for a mobile robot.
- Reduced the execution time of the Python *graph-tool* module by a factor of 10, using the **C++ boost** library.

Software Developer Intern

June 2021 - August 2021

Red Van Workshop

Longmont, CO

- Developed a web application in **Javascript** and **NodeJS** with a **Salesforce Commerce Cloud**.
- Designed crucial features such as Product Detail Page/Product Listing Page and Homepage.
- Cooperated with senior software developers and non-technical individuals in an Agile environment.

PLC Control Engineer Intern

November 2020 - February 2021

Sunvi Tech Co., LTD

Daegu, South Korea

- Developed PLC machine collaborating in software control team with the mechanical team and electrical design team.
- Designed a Ladder logic using the interaction between an HMI and PLC machine.
- Labeled the electrical components on the main panel and the multiple types of sensors and input devices revolving around the PLC with a circuit diagram.

RECENT PROJECTS

Battleship

★Awarded Best Project | Spring 2021

- Created a multi-player grid game with a GUI component in **Java** and **Swing**.
- Designed the code with object-oriented programming features such as design patterns and refactoring.
- Wrote the unit test with **JUnit5** and achieved 100% class coverage before finalizing the updates.

Wear Weather

Summer 2020

- Published a Korea weather forecast app on Google Play Store through **Android Studio** and **Git** with **Java** and **Rest APIs**.
- Provided comprehensive weather data for the users based on their current locations or a chosen location.
- Parsed REST API with **Volley** library and retrieved JSON objects and arrays.

Minut

Fall 2019

- Developed a quick-timed chat-roulette app on Linux where users can talk with a random user for one minute.
- Designed the UI/UX of login, registration, settings, home, and chat pages using **HTML**, **CSS**, and **Javascript**.
- Transitioned HTML file to **PUG** file to run locally through **NodeJS**.

Female Experience Simulator

T9 Hackathon | Spring 2019

- Built a 3D-shooting game with my team, HAWC, which simulates unwanted sexual advances towards women in video games using **Unity** and **C#**.
- Designed a chat box that automatically displays harassing words to users.

SKILLS

Languages: Python, C++, Java, JavaScript, NodeJS, JQuery, HTML/CSS, Scala

Libraries: Numpy, TensorFlow, Boost, Pandas, Swings, Express.js

OS: Windows, Linux, Android

Databases: MySQL, PostgreSQL, MongoDB

Tools: Git, Jira, Github, Salesforce Cloud, Android Studio, Rest API, JUnit5

Bilingual: Korean | English

LEADERSHIP EXPERIENCE

President and Founder of Hacking For Asian Women Crew(HAWC)

August 2019 - Present

University of Colorado Boulder

Boulder, CO

- Led an all-Asian women's computer science club to provide opportunities for further development in programming.
- Oversaw multiple projects such as game development, Hackathon, and web development.
- Facilitated group decision-making and foster a welcoming environment.